

ABSTRACT OF THE DISCLOSURE

To provide a fuel injection apparatus preferable for a marine engine which can prevent a metal soap from being generated in a motor portion of a high pressure electric pump even when fuel containing sea water is sucked into the electric pump, a high pressure electric pump (HP) is provided with a pump portion (P) and a motor portion within a pump housing (1), the pump portion (P) sucks fuel within a vapor separator (V), high pressure fuel the pressure of which has been increased by the pump portion (P) is discharged through the periphery of the motor portion, the motor portion of the high pressure electric pump (HP) is formed as a brushless motor portion, and a resin material is molded on the outer periphery of a drive coil (6B) constituting the brushless motor portion, thereby shutting off contact between the drive coil (6B) and the fuel.